

HATZ

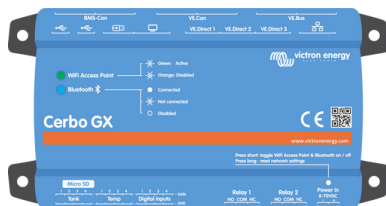
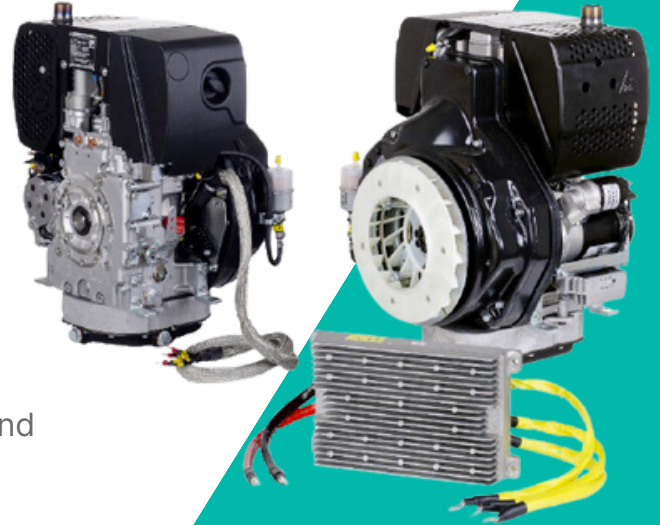
fiPMG Diesel Generators



Fixed magnet, CAN bus-controlled generator in a compact, fuel-efficient package.

Features

- CAN bus start/stop control allows for full integration into existing systems.
- Adjustable RPM allows for quieter operation, lower emissions, and maintenance costs.
- Includes 24V or 48V DC power conditioner. Optional 120V AC unit available.
- Clean AC sine wave, ensuring high voltage and frequency quality.
- Compact, lightweight design allows easy integration into equipment bays.
- Designed for IoT connectivity, fleet management solutions, and cloud environments via mobile communications.
- US Tier 4 Final and EU Stage V Emissions Certified allows for a wide range of installations.
- Pre-assembled and pre-tested drive package for lower assembly and testing costs to manufacturers.
- Accepts PTO on backside of engine.



Communication with Victron power systems

Thanks to recent collaboration between the Hatz and Victron Energy R&D teams, a simple CAN bus network connection can now be used to control generator start/stop from a Cerbo GX or other Victron GX device.

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Technical Parameters

Type	PMDC-28-100	PMDC-28-200	PMDC-56-55	PMDC-56-100	PMAC-120/6-3,0
Max. power @ cos(φ) 1.0 [kW]	2.8	5.6	3.0	5.6	3.0
Max. current [A]	100	200	55	100	25
Voltage [V]	28	28	56	56	120
Frequency [Hz]					60
Type of voltage	DC				AC
Generator	flywheel-integrated Permanent Magnet Generator (fiPMG)				
Inverter output accuracy acc. ISO 8528-5	class G4				class G2
Total electrical efficiency [%]	85.5				84.6
Engine	1B30E	1B50E	1B30E	1B50E	1B30E
Speed range [rpm]	1800 – 3100, full variable according to load				
Start system	electric, 12 V				
Emission certificate	dual type plate: EU Stage V + US EPA/CARB Tier 4 final				
Noise level at 7 meters [dB(A)]	72 @ 2300 rpm	76 @ 2300 rpm	72 @ 2300 rpm	76 @ 2300 rpm	68 @ 1500 rpm
Fuel consumption @ ¾ load [gal/h]	0.18 @ 2300 rpm	0.31 @ 2300 rpm	0.18 @ 2300 rpm	0.31 @ 2300 rpm	0.13 @ 1500 rpm
Dimensions L x W x H [in]	13.03 x 15.14 x 16.93	14.05 x 17.32 x 18.89	13.03 x 15.14 x 16.93	14.05 x 17.32 x 18.89	13.03 x 15.14 x 16.93
Weight [lb]	130	165	130	157	130